

Document Number: 040-00077 <div>Form Instructions</div>	Rev	Description	Date	ECO#	
	1	SERVICE MANUAL	2/14/08	00239	
Title	SERVICE MANUAL, FRONT FENDER REPLACEMENT				
Operation Description	Sub Assembly				
Standards	Man Occup.	Machine Occup.	Cycle Time	Setup Time	Batch Qty
Equipment List	Equipment	Manufacturer		Qty	
	1- Front fender	T3 Motion		1	
	2- 5/16 inch drill	Any		1	
	3- 5/32 inch Allen driver	Any		1	
Reference Docs	Document #	Description	Document #	Description	
Related Files					
RESP ENGR	Mark Jones				
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SERVICE MANUAL

Item#	Part #	Description	Qty
1	500-00099	Front Fender	1



Serious electrical shock can occur if precautions are not followed.



- **ALWAYS TURN OFF POWER BREAKER IN GLOVE BOX AND REMOVE POWER MODULES BEFORE PERFORMING ANY ELECTRICAL WORK.**



Power breaker in glove box



Power modules

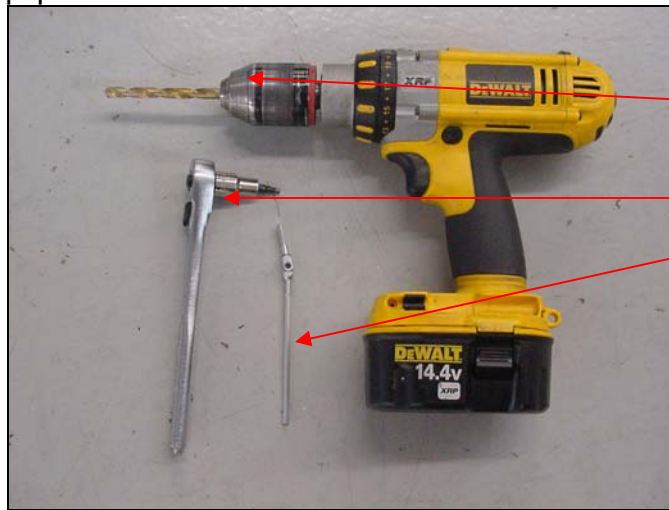
- **ALSO SET THE PARKING BRAKE PRIOR TO ANY WORK.**



Parking brake

WORK INSTRUCTIONS:

- 1.0 Recommended tools for replacing the front fender assembly.
See equipment table above for the details.



2- 5/16 drill bit in drill

3- 5/32 Allen driver on ratchet

3- 5/32 Allen wrench
(Only one Allen wrench is required)

- 2.0 Front fender mounted on T3 unit.



- 3.0 Remove the two 5/32 Allen bolts at the axle, (one on each side).



- 3.2 Remove the two 5/32 Allen bolts at the top rear sides of the fender, (one on each side). If your T3 unit has only these four fasteners, remove fender and proceed to step 4.0. If your T3 unit has two more fasteners on the top, proceed to step 3.3.



- 3.3 Remove the two 5/32 Allen bolts at the top of the fender, and remove the fender.



- 4.0 Here is a new fender with out any mounting holes. Take measurements of the mounting holes locations from the one you removed and drill holes in the same places into the new fender. If the old fender is too damaged to take measurements from proceed to step 4.1.



Note:

You will only be drilling four mounting holes. Even if your old fender had six mounting points, mount the new fender with four fasteners as shown in the next steps.

- 4.1 Slide the new fender onto the fork.

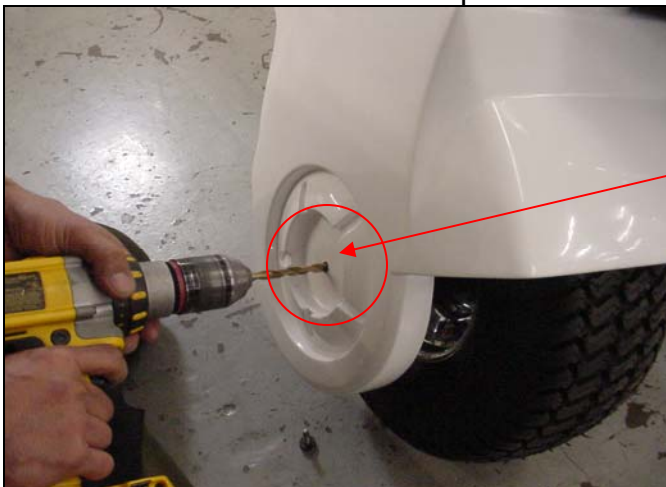


- 4.2 Make sure it sits level with the top of the fork.



Also check for clearance of the fender and body in this area on both sides.

- 5.0 Locate where the center of the front axle meets the right hand side of the front fender and drill a 5/16 inch hole at that point.



Note that the visual center of the fender depression may not be the actual center of the axle. Check from different angles before drilling.

- 5.1 Install a 5/32 Allen fastener, but do not tighten.



- 5.2 Repeat procedure in steps 5.0-5.1 on the left hand side.



- 5.3 Double check alignment and make sure there is no interference between the body and the upper rear of the fender. Then drill a hole that corresponds to the mounting point on the fork.



- 5.4 Install the fastener for the upper left side, but do not tighten. Repeat procedure in step 4.6 for the upper right side mounting point.



- 5.5 Tighten all four fasteners in the order you installed them. The inside of the fender should be flush with the mounting points.



- 6.0 Check to make sure there is sufficient clearance between the left rear of the fender and the drive pulley. It should have $\frac{1}{4}$ inch or more of clearance. If more clearance is needed, gently pull and bend the bracket out a little. $\frac{1}{4}$ to $\frac{1}{2}$ inches of clearance is in tolerance.



- 7.0 Check for range of motion and clearance before test driving vehicle.